

INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR2004/003077

A. CLASSIFICATION OF SUBJECT MATTER**IPC7 B66B 23/12**

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 B66B 23/00, 29/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
KR,JP: IPC as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
KIPO NPS system: "roller", "track", "step"

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5,992,605 A (HARUTA) 30 NOVEMBER 1999 (See whole document)	1-7
A	US 5,472,075 A (YAMASHITA et. al) 05 DECEMBER 1995 (abstract, Fig.3)	1-7
A	US 4,681,207 A (GOTO et al.) 21 JULY 1987 (abstract, Fig.7, 11)	1-7
A	JP 4-20495 A (TOSHIBA CORP.) 24 JANUARY 1992 (See whole document)	1-7

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:
 "A" document defining the general state of the art which is not considered to be of particular relevance
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 "&" document member of the same patent family

Date of the actual completion of the international search
24 FEBRUARY 2005 (24.02.2005)

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Name and mailing address of the ISA/KR



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